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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Larry W. FULLERTON et al.

Appl. No. To Be Assigned

Confirmation No.

Filed: March 23, 2004

For: SYSTEM AND METHOD FOR  
INTRUSION DETECTION USING  
A TIME DOMAIN RADAR  
ARRAY

Art Unit: 2634

Examiner: John B. Sotomayer

Atty. Docket No.: 28549-202289

Customer No.:



26694

**Information Disclosure Statement**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 CFR § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents that are listed on the attached PTO-1449 forms. All of the listed references are of record in parent Application No. 10/449,602 where copies may be obtained in accordance with customary PTO practice. Applicants request that these documents be considered and listed on the face of any patent granted in this application.

Date:

March 23/04

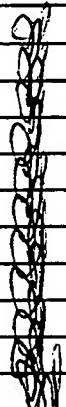
Respectfully submitted,

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1659.0720001	APPLICATION NO. 09/767,131
	APPLICANT Fullerton et al.	
	FILING DATE January 25, 2003	GROUP 3662



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	✓ 4,083,049	04/1978	Mattern et al.	342	28	
	AB1	✓ 4,622,540	11/1986	Guscott et al.	340	531	
	AC1	✓ 4,641,317	02/1987	Fullerton	375	1	
	AD1	✓ 4,727,593	02/1988	Goldstein	455	605	
	AE1	✓ 4,743,906	05/1988	Fullerton	342	27	
	AF1	✓ 4,813,057	03/1990	Fullerton	375	37	
	AG1	✓ 4,907,001	03/1990	Harmuth	342	159	
	AH1	✓ 4,979,186	12/1990	Fullerton	375	23	
	AI1	✓ 5,057,846	10/1991	Harmuth	342	204	
	AJ1	✓ 5,134,408	07/1992	Harmuth	342	21	
	AK1	✓ 5,148,174	09/1992	Harmuth	342	21	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1						Yes No
	AM1						Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	1 ✓	Anderson, F. et al., "Ultra-wideband beamforming in sparse arrays," IEE Proceedings-H, Vol. 138, No. 4, August 1991, 8 pages.
	AS	1 ✓	Skolnik, M.I., Introduction to Radar Systems, McGraw-Hill, 1980, pp. 553-560.
	AT	1	

EXAMINER JOHN B. SOTOMAYOR	DATE CONSIDERED 11-30-03
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1659.0720001	APPLICATION NO. 09/767,131
	APPLICANT Fullerton et al.	
	FILING DATE January 23, 2001 6-2-03	GROUP 3662

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA2	5,265,121	11/1993	Stewart	375	99	
	AB2	5,361,070	11/1994	McEwan	342	21	
	AC2	5,363,108	11/1994	Fullerton	342	27	
	AD2	5,457,394	10/1995	McEwan	324	642	
	AE2	5,465,094	11/1995	McEwan	342	28	
	AF2	5,510,800	04/1996	McEwan	342	387	
	AG2	5,512,834	04/1996	McEwan	324	642	
	AH2	5,519,400	05/1996	McEwan	342	28	
	AI2	5,521,600	05/1996	McEwan	342	27	
	AJ2	5,573,012	11/1996	McEwan	128	782	
	AK2	5,576,627	11/1996	McEwan	324	639	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL2						Yes No
	AM2						Yes No
	AN2						Yes No
	AO2						Yes No
	AP2						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	2	
AS	2	
AT	2	

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# Notice of References Cited

Application/Control No.

09/707,131 10/449602

Applicant(s)/Patent Under  
Reexamination  
FULLERTON ET AL.

Examiner

John B. Solomayor

Art Unit

3662

Page 1 of 1

## U.S. PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification	
A	<del>US-6067040 A</del>	05-2000	<del>Pugliese</del>	342	134
B	US-6114956 A	09-2000	Van Genechten	340	552
C	US-20010035837	11-2001	Fullerton et al	342	28
D	US-20020000916	01-2002	Richards	340	572.1
E	US-				
F	US-				
G	US-				
H	US-				
I	US-				
J	US-				
K	US-				
L	US-				
M	US-				

## FOREIGN PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification	
N						
O						
P						
Q						
R						
S						
T						

## NON-PATENT DOCUMENTS

	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U	
V	
W	
X	

Copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

JOHN B. SOLOMAYOR

11-30-03

FORM PTO-1449  <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 1659.0720001	APPLICATION NO. 09/767,131
	APPLICANT Fullerton et al.	
	FILING DATE <del>January 23, 2001</del> 6-2-03	GROUP 3662

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA3	✓ 5,589,838	12/1996	McEwan	342	387	
	AB3	✓ 5,661,490	08/1997	McEwan	342	387	
	AC3	✓ 5,677,927	10/1997	Fullerton et al.	375	200	
	AD3	✓ 5,687,169	11/1997	Fullerton	370	324	
	AE3	✓ 5,757,320	05/1998	McEwan	342	387	
	AF3	✓ 5,766,208	06/1998	McEwan	600	595	
	AG3	✓ 5,767,953	06/1998	McEwan	356	5.01	
	AH3	✓ 5,774,091	06/1998	McEwan	342	387	
	AI3	✓ 5,832,035	11/1998	Fullerton	375	210	
	AJ3	✓ 6,026,125	02/2000	Larrick, Jr. et al.	375	295	
	AK3	✓ 6,067,040	05/2000	Puglia	342	134	

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL3						Yes No
	AM3						Yes No
	AN3						Yes No
	AO3						Yes No
	AP3						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	3	
	AS	3	
	AT	3	

EXAMINER JOHN B. SOTOMAYOR	DATE CONSIDERED 6-2-03
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FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
1659.0720001APPLICATION NO.  
09/767,131APPLICANT  
Fullerton et al.FILING DATE  
~~January 23, 2001~~ 6-2-03GROUP  
3662

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>JS</i>	AA4	5,668,555	9/16/97	Starr	342	179	9/1/95
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
<i>JS</i>	AL1	WO 99/04285	1/28/99	WIPO			X Yes No
<i>JS</i>	AM1	0 744 629 A1	11/27/96	EP			X Yes No
<i>JS</i>	AN1	196 12 579 A1	10/2/97	DE			X Yes No
	AO1						Yes No
	AP1						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	1	
	AS	1	
<i>JS</i>	AT	1	Frazier, "Surveillance Through Walls and Other Opaque Materials," IEEE 1996 National Radar Conference, Ann Arbor, MI, May 13-16, 1996, pp. 27-31.

EXAMINER

JOHN B. SOTOMAYOR

DATE CONSIDERED

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